

**What is claimed is:**

1. An isolated nucleic acid molecule comprising a nucleotide sequence that encodes a polypeptide comprising an amino acid sequence with at least 95% homology to a sequence of SEQ ID NO:2, wherein said nucleic acid molecule comprises at least a 10 nucleotide fragment of an untranslated region of SEQ ID NO: 1.
2. The isolated nucleic acid molecule of claim 1 comprising a sequence of SEQ ID NO:1
3. The isolated nucleic acid molecule of claim 1 wherein said nucleic acid molecule is DNA.
4. The isolated nucleic acid molecule of claim 1 wherein said nucleic acid molecule is RNA.
5. An expression vector comprising a nucleic acid molecule of any one of claims 1-2.
6. The expression vector of claim 5 wherein said vector is a plasmid.
7. The expression vector of claim 5 wherein said vector is a viral particle.
8. The expression vector of claim 7 wherein said vector is selected from the group consisting of adenoviruses, baculoviruses, parvoviruses, herpesviruses, poxviruses, adeno-associated viruses, Semliki Forest viruses, vaccinia viruses, and retroviruses.
9. The expression vector of claim 5 wherein said nucleic acid molecule is operably connected to a promoter selected from the group consisting of simian virus 40, mouse mammary tumor virus, long terminal repeat of human immunodeficiency virus, maloney virus, cytomegalovirus immediate early promoter, Epstein Barr virus, rous sarcoma virus, human actin, human myosin, human hemoglobin, human muscle creatine kinase, and human metallothionein.
10. A host cell transformed with an expression vector of claim 5.
11. The transformed host cell of claim 10 wherein said cell is a bacterial cell.

12. The transformed host cell of claim 11 wherein said bacterial cell is *E. coli*.
13. The transformed host cell of claim 10 wherein said cell is yeast.
14. The transformed host cell of claim 13 wherein said yeast is *S. cerevisiae*.
15. The transformed host cell of claim 10 wherein said cell is an insect cell.
16. The transformed host cell of claim 15 wherein said insect cell is *S. frugiperda*.
17. The transformed host cell of claim 10 wherein said cell is a mammalian cell.
18. The transformed host cell of claim 17 wherein mammalian cell is selected from the group consisting of chinese hamster ovary cells, HeLa cells, African green monkey kidney cells, human HEK-293 cells, and murine 3T3 fibroblasts.
19. An antisense compound 10 to 30 nucleobases in length that specifically recognizes and hybridizes to SEQ ID NO:1 and inhibits the expression of nGPCR-2067.
20. The antisense compound of claim 19 wherein said antisense compound is an antisense oligonucleotide directed to a region of a sequence of SEQ ID NO:1, wherein said region is selected from the group consisting of the 5'-UTR and the 3'-UTR.
21. A composition comprising a nucleic acid molecule of any one of claims 1, 2, or 19 and a pharmaceutically acceptable carrier or diluent.
22. A composition comprising a recombinant expression vector of claim 5 and a pharmaceutically acceptable carrier or diluent.
23. A method of producing a polypeptide that comprises a sequence of SEQ ID NO:2, and homologs thereof, said method comprising the steps of:
  - a) introducing a recombinant expression vector of claim 5 into a compatible host cell;

- b) growing said host cell under conditions for expression of said polypeptide; and
- c) recovering said polypeptide.

24. The method of claim 23 wherein said host cell is lysed and said polypeptide is recovered from the lysate of said host cell.

25. The method of claim 23 wherein said polypeptide is recovered by purifying the culture medium without lysing said host cell.